

WIRELESS SOLUTIONS

PANDUIT and Cisco Systems have collaborated to develop a complete solution that cost-effectively addresses wireless deployment, security management, and control issues facing enterprises by enabling application interoperability between wired and wireless networks. *PANDUIT* offers a wide range of Cisco enterprise-call autonomous (distributed) and light-weight (centralized) access points and wireless bridges designed to fit the needs of a variety of applications. *PANDUIT* physical infrastructure systems complement the Cisco Unified Wireless Network to provide a reliable platform that guards against threats to the wireless local area network (WLAN) and provides protection for critical network elements.

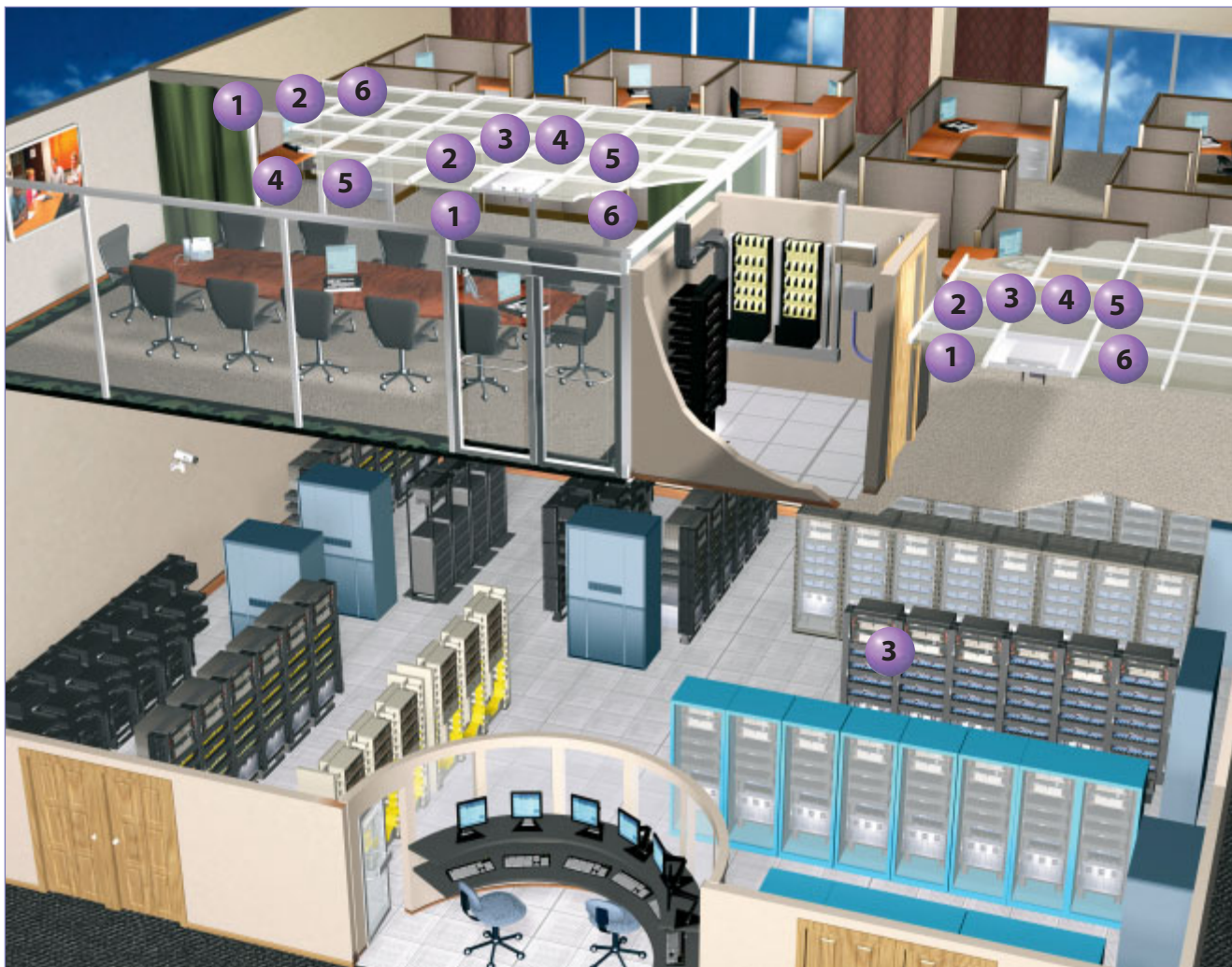


- Ensure full wired and wireless compatibility and interoperability
- Provide integrated solution for lower total cost of ownership
- Cost-effectively address WLAN security, deployment, and management issues
- Offer unequalled choice for WLAN deployment in distributed or centralized architectures
- Fully standards compliant IEEE 802.11 a/b/g and n (draft) solutions; compliant to IEEE 802.11i authentication and encryption standards

The wireless solution features *PANDUIT*® *PANZONE*® Wireless Access Point Enclosures and Cisco Aironet[^] access points, centralized WLAN controllers, antennas and accessories. The *PANZONE*® Wireless Access Point Enclosures accommodate a full range of Cisco access points including selected Cisco 1130, 1200, 1230, 1240 and 1250 series access points capable of configuration in distributed or centralized architectures. These enclosures provide an additional level of security for your WLAN by protecting the access points from tampering, vandalism, theft and harsh environments. Designed to support a secure and wireless environment, the *PANDUIT* cabling infrastructure also includes copper and fiber cabling system and Power over Ethernet patch panels.

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Wireless Solution Roadmap



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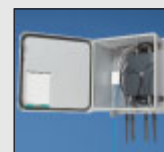
- 5** Wireless Accessories
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- Outdoor/Industrial Wireless Enclosures
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Distributed Access Points

- Extend network coverage, even to the most challenging environments
- Provide secure network access
- Standards compliant access technology, IEEE 802.11 a/b/g/n-draft



- Ensure robust network performance and interoperability with the wired local area network (LAN)
- Optional SMARTnet^ warranty available

Part Number	Part Description	Std. Pkg. Qty.
P-AP1252AG-A-K9	Cisco Aironet^ 1250 Series 802.11a/g/n-draft 2.0 2.4/5 GHz Modular Autonomous AP, 6 RP-TNC connectors, FCC configuration.	1
P-AP1252G-A-K9	Cisco Aironet^ 1250 Series 802.11 g/n-draft 2.0 2.4 GHz Modular Autonomous AP, 3 RP-TNC connectors, FCC configuration.	1
P-AP1242AG-A-K9	Cisco Aironet^ 1240 Series 802.11a/g non-modular IOS Access Point, RP-TNC connectors for required External Antennas, FCC configuration. For use with PANDUIT enclosure PZWIFIED.	1
P-AP1232AG-A-K9	Cisco Aironet^ 1230 Series 802.11a/g Modular IOS Access Point, RP-TNC connectors for required External Antennas, FCC configuration. For use with PANDUIT enclosure PZWIFIED.	1
P-AP1231G-A-K9	Cisco Aironet^ 1200 Series 802.11g Modular IOS Access Point, RP-TNC connectors for required External Antenna. Available Card BUS slot, FCC configuration. For use with PANDUIT enclosure PZWIFIE.	1
P-AP1131AG-A-K9	Cisco Aironet^ 1130 Series 802.11a/g Access Point with Internal Antennas, FCC configuration. For use with PANDUIT enclosure PZWIFIEW.	1
P-BR1310G-A-K9	Cisco Aironet^ 1300 Series 802.11g Outdoor Access Point/Bridge with IOS Software and Internal Antennas, FCC configuration.	1
P-BR1310G-A-K9R	Cisco Aironet^ 1300 Series 802.11g Outdoor Access Point/Bridge with IOS Software and RP-TNC connectors for required External Antennas, FCC configuration.	1

Available as part of an integrated wired and wireless solution.

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Centralized Access Points (LWAPP-Enabled)

- Enable centralized WLAN deployments, IEEE 802.11 a/b/g/n-draft
- Offer compatibility and security with the wired network
- Used with Cisco^ Centralized Series 2000 and 4400 controllers



- Provide a scalable and integrated WLAN solution
- Easy to install and manage
- Optional SMARTnet^ warranty available

Part Number	Part Description	Std. Pkg. Qty.
P-LP1252AG-A-K9	Cisco Aironet^ 1250 Series 802.11a/g/n-draft 2.0 2.4/5 GHz Modular Unified AP, 6 RP-TNC connectors, FCC configuration.	1
P-LP1252G-A-K9	Cisco Aironet^ 1250 Series 802.11g/n-draft 2.0 2.4 GHz Modular Unified AP, 3 RP-TNC connectors, FCC configuration.	1
P-LP1242AG-A-K9	Cisco Aironet^ 1240 Series 802.11a/g non-modular LWAPP Access Point, RP-TNC connectors. FCC configuration. For use with PANDUIT enclosure PZWIFIED.	1
P-LP1232AG-A-K9	Cisco Aironet^ 1230 Series 802.11a/g modular LWAPP Access Point, RP-TNC connectors, FCC configuration. For use with PANDUIT enclosure PZWIFIED.	1
P-LP1131AG-A-K9	Cisco Aironet^ 1130 Series 802.11a/g non-modular LWAPP Access Point, Internal Antennas, FCC configuration. For use with PANDUIT enclosure PZWIFIEW.	1

Available as part of an integrated wired and wireless solution.

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PANZONE® Wireless Access Point Enclosures

- Specifically designed for use with Cisco Aironet[^] 1130, 1200, 1230, 1240 and 1250 Series Wireless Access Points
- Specifically designed for use with HP ProCurve 420*, Foundry IP200‡ and Enterasys^{^^}, RBT-4102 Wireless Access Points
- Lockable enclosure protects against tampering, vandalism, and theft
- Knockouts allow multiple antenna configurations
- Connectivity accessory kit (included) provides two-position surface mount box, *MINI-COM® TX6™ PLUS* Jack Module, *TX6™ PLUS* Patch Cord and grounding cable
- Shielded connectivity accessory kit also available
- Optional ceiling bracket kit allows WAP to be mounted in-ceiling for design flexibility for optimum wireless coverage
- 2' x 2' ceiling bracket eliminates cutting the ceiling tile by replacing a standard 2' x 2' ceiling tile



PZWIFIEN



PZWIFIENA



PZWIFIEA



PZWIFIE



PZWIFIEW

Part Number	Part Description	Color	Std. Pkg. Qty.
Wireless Enclosures Designed for Use with Cisco Aironet[^] Series Wireless Access Points			
PZWIFIEN	PANZONE® Wireless Access Point Enclosure; accommodates Cisco Aironet [^] 1250 Series Wireless Access Points. UL2043 rated. Dimensions: 13.75"H x 12.00"W x 4.75"D (349.8mm x 304.8mm x 120.6mm).	White	1
PZWIFIENA	PANZONE® Wireless Access Point Enclosure; compatible with all Cisco Aironet [^] 1250 Series WAPs when used with Cisco Patch Antennas (AIR-ANT5140V-R and/or AIR-ANT2430V-R). UL2043 rated. Dimensions: 13.75"H x 12.00"W x 4.75"D (349.8mm x 304.8mm x 120.6mm).	White	1
PZWIFIED	PANZONE® Wireless Access Point Enclosure; accommodates Cisco Aironet [^] 1230 and 1240 Series Wireless Access Points. UL2043 rated. Dimensions: 13.75"H x 12.00"W x 3.06"D (349.8mm x 304.8mm x 77.7mm).	White	1
PZWIFIEA	PANZONE® Wireless Access Point Enclosure; compatible with all Cisco Aironet [^] 1200, 1230, and 1240 Series WAPs when used with Cisco Patch Antennas (AIR-ANT5145V-R and/or AIR-ANT5959). UL2043 rated. Dimensions: 13.75"H x 12.00"W x 3.06"D (349.8mm x 304.8mm x 77.7mm).	White	1
PZWIFIE	PANZONE® Wireless Access Point Enclosure; accommodates Cisco Aironet [^] 1200 Series Wireless Access Points. UL2043 rated. Dimensions: 12.00"H x 12.00"W x 2.31"D (304.8mm x 304.8mm x 58.7mm).	White	1
PZWIFIEW	PANZONE® Wireless Access Point Enclosure with windowed front door; accommodates Cisco Aironet [^] 1130 Series Wireless Access Points. Dimensions: 12.00"H x 12.00"W x 2.31"D (304.8mm x 304.8mm x 58.7mm).	White	1

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*ProCurve is a registered trademark of Hewlett-Packard Development Company, L.P.

‡Foundry is a registered trademark of Foundry Networks, Inc.

^{^^}Enterasys is a registered trademark of Enterasys Networks, Inc.

For shielded versions of PANZONE® Wireless Access Point Enclosures, add suffix "S" to part number.



PANZONE® Wireless Access Point Enclosures (continued)



PZWIFIEH



PZWIFIDCB

Part Number	Part Description	Color	Std. Pkg. Qty.
Wireless Enclosure Designed for HP, Foundry Networks‡, Enterasys Networks^^ and Aruba^^^ Wireless Access Points			
PZWIFIEH	PANZONE® Wireless Access Point Enclosure; accommodates HP ProCurve* 420, Foundry‡ IP200, and Enterasys^^ RBT-4102 Wireless Access Points. UL2043 rated. Dimensions: 13.75"H x 12.00"W x 3.06"D (349.8mm x 304.8mm x 77.7mm).	White	1
In-Ceiling Mounting Bracket Kits			
PZWIFICB	PANZONE® Wireless Enclosure In-Ceiling Mounting Bracket Kit for PZWIFIE and PZWIFIEW. Dimensions: 3.31"H x 13.62"W x .75"D (84.1mm x 345.9mm x 19.0mm).	White	1
PZWIFIDCB	PANZONE® Wireless Enclosure In-Ceiling Mounting Bracket Kit for PZWIFIEN, PZWIFIENA, PZWIFIED, PZWIFIEA and PZWIFIEH. Dimensions: 4.06"H x 13.73"W x .81"D (103.1mm x 348.7mm x 20.6mm).	White	1
PZW2X2CB	PANZONE® Wireless Enclosure 2x2 ft. In-Ceiling Mounting Bracket Kit for PZWIFIE and PZWIFIEW. Dimensions: 3.19"H x 23.75"W x 23.75"D (81.1mm x 603.3mm x 603.3mm).	White	1
PZW2X2DCB	PANZONE® Wireless Enclosure 2x2 ft. In-Ceiling Mounting Bracket Kit for PZWIFIEN, PZWIFIENA, PZWIFIED, PZWIFIEA, and PZWIFIEH. Dimensions: 3.94"H x 23.75"W x 23.75"D (100.1mm x 603.3mm x 603.3mm).	White	1

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‡Foundry is a registered trademark of Foundry Networks, Inc.

^^Enterasys is a registered trademark of Enterasys Networks, Inc.

^^^Aruba is a registered trademark of Aruba Networks, Inc.

For shielded versions of PANZONE® Wireless Access Point Enclosures, add suffix "S" to part number.



PANZONE® NEMA 4X/IP66 Rated Wireless Access Point Enclosures

- NEMA 4X and IP66 rating protects against corrosion, windblown dust and rain, splashing water and hose-directed water
- Universal design accommodates the most popular Wireless Access Points including Cisco Aironet[®] 1200, 1230, 1240, 1250 and 1300 Series
- Fiberglass construction and aluminum mounting plate allows quick and easy access point installation
- UL508A Listed and approved
- Include pre-configured mounting template
- Provisions for padlocks to protect against tampering and theft
- Optional NEMA 4X rated fittings available in various sizes
- Optional NEMA 4X drain and vent kit
- Connectivity accessory kit (included): two-position outlet box, *MINI-COM® TX6™ PLUS* Jack Module, *TX6™ PLUS* Patch Cord, silicone sealant and grounding cable
- Shielded connectivity accessory kit also available



PZNWE12



PZNWE14

Part Number	Part Description	Std. Pkg. Qty.
PANZONE® NEMA 4X/IP66 Rated Wireless Access Point Enclosures		
PZNWE12	Wireless enclosure designed for Power over Ethernet applications. Includes UTP connectivity kit. External dimensions: 13.56"H x 13.47"W x 6.56"D (344.4mm x 342.1mm x 166.6mm). Internal dimensions: 11.70"H x 11.70"W x 6.29"D (297.2mm x 297.2mm x 159.8mm).	1
PZNWE12S	Wireless enclosure designed for Power over Ethernet applications. Includes shielded connectivity kit. External dimensions: 13.56"H x 13.47"W x 6.56"D (344.4mm x 342.1mm x 166.6mm). Internal dimensions: 11.70"H x 11.70"W x 6.29"D (297.2mm x 297.2mm x 159.8mm).	1
PZNWE14	Wireless enclosure designed for traditional AC power applications. Includes UTP connectivity kit. External dimensions: 15.50"H x 13.50"W x 6.25"D (393.7mm x 342.9mm x 158.8mm). Internal dimensions: 13.53"H x 11.55"W x 5.94"D (343.7mm x 293.4mm x 150.9mm).	1
PZNWE14S	Wireless enclosure designed for traditional AC power applications. Includes shielded connectivity kit. External dimensions: 15.50"H x 13.50"W x 6.25"D (393.7mm x 342.9mm x 158.8mm). Internal dimensions: 13.53"H x 11.55"W x 5.94"D (343.7mm x 293.4mm x 150.9mm).	1

NEMA 4X Rated Fittings and Accessories

PZNF1	NEMA 4X rated compression fitting, ideal for cable diameters of .115" to .250" (2.82mm to 6.35mm).	1
PZNF2	NEMA 4X rated compression fitting, ideal for cable diameters of .230" to .395" (5.84mm to 10.03mm).	1
PZNF3	NEMA 4X rated compression fitting, ideal for cable diameters of .170" to .450" (4.32mm to 11.43).	1
PZNDVK	NEMA 4X drain and vent kit.	1

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Wireless LAN Controllers

- Used in conjunction with Cisco^ LWAPP Enabled Centralized Access Points
- Multi-layered security features
- Zero-configuration deployment
- Intelligent RF management
- Includes 8 x 5 SMARTnet^ warranty; upgrades available



Part Number	Part Description	Std. Pkg. Qty.
P-WLC2106-K9	Cisco^ 2000 Series WLAN Controller, supports up to six LWAPP-Enabled Centralized Access Points.	1
P-WC4402-12-K9	Cisco^ 4400 Series WLAN Controller, supports up to twelve LWAPP-Enabled Centralized Access Points.	1
P-WC4402-25-K9	Cisco^ 4400 Series WLAN Controller, supports up to 25 LWAPP-Enabled Centralized Access Points.	1
P-WC4402-50-K9	Cisco^ 4400 Series WLAN Controller, supports up to 50 LWAPP-Enabled Centralized Access Points.	1
P-WC4404-100-K9	Cisco^ 4400 Series WLAN Controller, supports up to 100 LWAPP-Enabled Centralized Access Points.	1

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External Antennas

- Further extend network coverage in areas that may obstruct signal quality
- Permit flexible and scalable wireless configurations
- Facilitate lower total cost of network



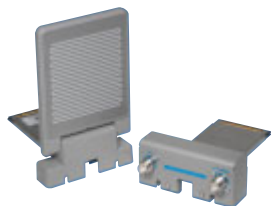
Part Number	Part Description	Std. Pkg. Qty.
P-ANT2422DB-R	Three 2.4 GHz 2.2 dBi Black Dipole Antennas RP-TNC.	1
P-ANT2430V-R	2.4 GHz 3 dBi Triple Omni Antennas 3 RP-TNC; spare.	1
P-ANT5135DB-R	Three 5 GHz 3.5 dBi Black Dipole Antennas RP-TNC.	1
P-ANT5140V-R	5 GHz 4 dBi Triple Omni Antennas 3 RP-TNC; spare.	1
P-ANT1728	Cisco Aironet^ High Gain Omni-Directional Indoor Medium Range Ceiling Mount Antenna.	1
P-ANT1949	Cisco Aironet^ Yagi Mast Mount 13.5dBi Outdoor Medium Range Directional Antenna.	1
P-ANT2012	Cisco Aironet^ Diversity Patch 6.5dBi In/Outdoor Medium Range Wall Mount Antenna with two radiating elements, cable length 3 feet.	1
P-ANT2410Y-R	Cisco Aironet^ Yagi Mast Mount 10dBi Directional Antenna.	1
P-ANT2506	Cisco Aironet^ 5.2dBi Omni-Directional Outdoor Short Range Mast Mount Antenna.	1
P-ANT3213	Cisco Aironet^ Diversity Omni 5.2dBi Indoor Medium Range Pillar Mount Antenna.	1
P-ANT4941	Cisco Aironet^ 2.2 dBi Dipole 2.4 GHz Antenna (standard rubber duck antenna), 4".	1
P-ANT5135D-R	Cisco Aironet^ 3.5dBi Dipole 5 GHz Antenna (standard rubber duck antenna), 4".	1
P-ANT5145V-R	Cisco Aironet^ Patch 4.5 dBi Indoor Mid Range 5 GHz antenna with two radiating elements.	1
P-ANT5160V-R	Cisco Aironet^ 6 dBi Omni-Directional In/Outdoor 5GHz Antenna.	1
P-ANT5959	Cisco Aironet^ Patch 2 dBi Indoor Antenna with two radiating elements.	1

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Wireless Accessories

- Full range of products to complete a WLAN installation
- WLAN compatible components ensure successful start up and operation
- Provide flexibility to meet customized configurations



Part Number	Part Description	Std. Pkg. Qty.
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Platforms

P-AP1250	Modular Autonomous AP Platform (no radio modules); spare.	1
P-LP1250	Modular Unified AP Platform (no radio modules); spare.	1

Radio Upgrades

P-RM1252A-A-K9	802.11a/n-2.0 5 GHz Radio Module; 3 RP-TNC, FCC configuration; spare.	1
P-RM1252G-A-K9	802.11g/n-2.0 2.4 GHz Radio Module; 3 RP-TNC, FCC configuration; spare.	1
P-MP21G-A-K9	Cisco^ expansion module, Mini-PCI radio upgrade module 802.11g for Aironet^ 1100 and 1200 Series Access Point.	1
P-RM21A-A-K9	Cisco^ 802.11a radio upgrade module, cardbus for Aironet^ 1200 Series Access Point with articulating antenna paddle.	1
P-RM22A-A-K9	Cisco^ 802.11a radio upgrade module, cardbus for Aironet^ 1200 Series Access Point with two RP-TNC connectors.	1

Power Injectors

P-PWR-1000	Power supply for Cisco Aironet^ 1000 Series Access Point.	1
P-PWRINJ-1000AF	802.3af Power injector for Cisco Aironet^ 1000 Series Centralized Access Points.	1
P-PWRINJ3	Cisco Aironet^ Power Injector (external), 48V, 15 Watts.	1

Cable Accessories

P-ACC2537-060	Cisco Aironet^ 60" bulkhead extender; flexible antenna cable for use within an enclosure.	1
P-CONCAB1200	Aux console port cable.	1

Grounding Accessory

P-ACC245LA-R	2.4 and 5 GHz lightning arrestor with RP-TNC connector.	1
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Mounting Kits

P-AP1250MNTGKIT	Cisco Aironet^ 1250 Series ceiling, wall-mount bracket kit; spare.	1
P-ACC-CEBZL1000	Cisco Aironet^ 1000 Series ceiling-mount bezel kit.	1
P-ACC-WBRKT1000	Cisco Aironet^ 1000 Series wall-mount bracket kit.	1
P-ACCWAMK1300	Cisco Aironet^ 1300 Series wall-mount bracket kit.	1
P-PWRINJ4	Cisco Aironet^ 1250 Series power injector.	1
P-PWR-SPLY1	Cisco Aironet^ 1250 Series power supply.	1
P-PWR-CORD-NA	Air line cord (North America).	1

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